

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the subject Patent Application:

LISTING OF CLAIMS:

Claim 1 (Cancelled).

2. (Currently Amended) The method of controlling an ejection molding process by an operator of an ejection molding machine as claimed in claim + 7, wherein one of the options provided for setting of predetermined motions to be performed after completion of the mold-opening action is ~~[[“]]no movement[[”]]~~.

3. (Currently Amended) The method of controlling an ejection molding process by an operator of an ejection molding machine as claimed in claim + 7, wherein options provided for setting a first predetermined motion to be performed after completion of the mold-closing action include ~~“NO”~~ (no movement), ~~[[“]]middle ejector pushing[[”]]~~, and ~~[[“]]gate valve on[[”]]~~.

4. (Currently Amended) The method of controlling an ejection molding process by an operator of an ejection molding machine as claimed in claim + 7, wherein options provided for setting second and fourth predetermined motions to be

performed after completion of the mold-closing action include ~~“NO”~~ (no movement), ~~[[“]]two color injection at the same time[[”]]~~ (, wherein two different color materials are injected into the mold at a same time), ~~[[“]]front side injection[[”]]~~ (, wherein materials are injected through a front side of the mold), and ~~[[“]]rear side injection[[”]]~~ (materials are injected through a rear side of the mold).

5. (Currently Amended) The method of controlling an ejection molding process by an operator of an ejection molding machine as claimed in claim 4 7, wherein options provided for setting a third predetermined motion to be performed after completion of the mold-closing action include ~~“NO”~~ (no movement), ~~[[“]]middle ejector backwards, wherein [[”]]~~ (a middle ejector moves backwards), ~~[[“]]gate valve off, wherein [[”]]~~ (the gate valve shuts), ~~[[“]]middle ejector forwards, wherein [[”]]~~ (the middle ejector moves forwards), and ~~[[“]]gate valve on, wherein [[”]]~~ (the gate valve opens).

6. (Currently Amended) The method of controlling an ejection molding process y an operator of an ejection molding machine as claimed in claim 4 7, wherein options provided for setting a fifth predetermined motion to be performed after completion of the mold-closing action include ~~“NO”~~ (no movement), ~~[[“]]middle ejector backwards, wherein[[”]]~~ (a middle ejector moves backwards), and ~~[[“]]gate valve on, wherein [[”]]~~ (the gate valve opens).

Claim 7 (New) A method of controlling an injection molding process by an operator of an injection molding machine, including the steps of:

- (a) monitoring said molding machine status whereby information relating to operation of the injection molding machine is displayed on a control panel;
- (b) setting temperatures for a predetermined molding process;
- (c) setting clamp mechanisms whereby operations of said molding machine relating to mold closing, mold opening and adjustment parameters are set;
- (d) setting front injection/charging operations relating to injection parameters, pressure parameters, and charging parameters of materials are set;
- (e) setting pushing/blowing parameters of the molding machine relating to middle injector pushing, support base of a mold portion rotation, front ejector pushing, rear ejector pushing and air blowing parameters are set;
- (f) setting function/time parameters whereby operations of the molding machine relating to a function switch, time of molding, and initial pressures on opposing sides of the mold are set;
- (g) sequentially initiating an automatic process after step (f) which includes the steps of

- (1) setting predetermined motions of the molding machine to be performed subsequent to completion of the mold-opening action, and,
 - (2) setting predetermined motions of the molding machine to be performed subsequent to the mold-closing action, whereby motions of the molding machine and molds may be set in accordance to a specific mold;
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- (h) setting production parameters relating to production and quality control of molded products are set;
 - (i) setting parameters in the molding machine relating to the number of cores which are to be set;
 - (j) setting auto purge/carriage parameters relating to position control of front/rear screw rods and the purging of materials are set; and,
 - (k) setting backward injection/charging parameters whereby operations of the machine relating to injection parameters, pressure maintenance and material charging is set.